Technical data

22336EF800

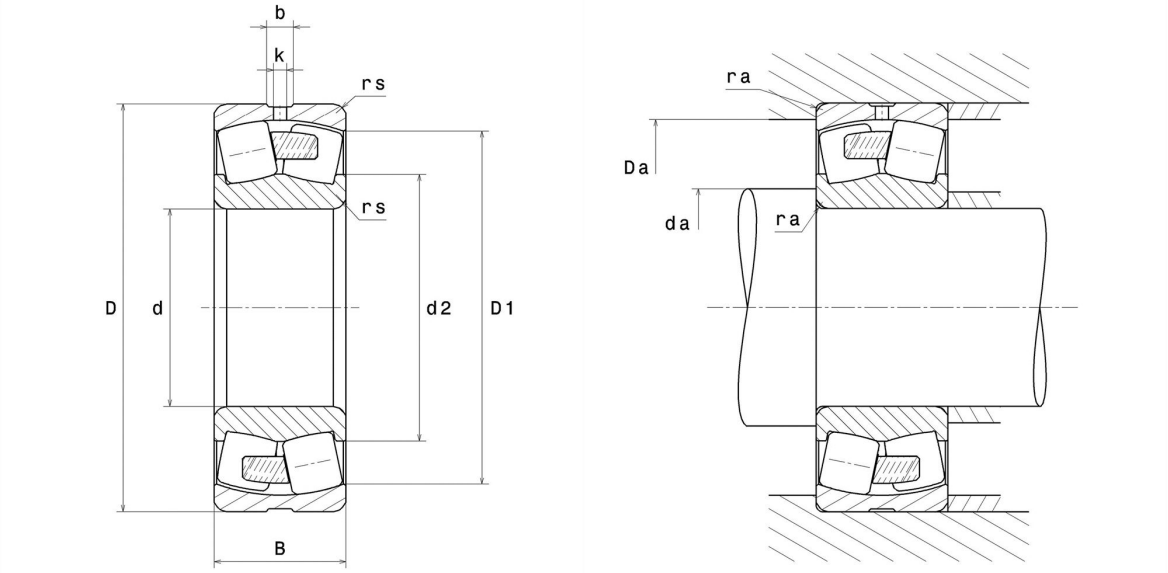
Double row spherical roller bearings



Spherical roller bearing for vibratory applications, one-piece machined cage, groove and lubrication holes on outer ring, special C4 class clearance

ULTAGE

Visual(s)



Product definition

d	180 mm
D	380 mm
B	126 mm
d2	241.8 mm
D1	328.2 mm
rs min	4 mm
Number of lubrication holes	3
b	20.9 mm
k	10 mm
Associated sleeve reference	P0spé
e	0.32
Y1	2.09
Y2	3.11
Y0	2.04
Radial clearance class	C4 Special
Mass	70.2 kg
Brand	SNR

Product performance

Dynamic load, C	2,420 kN
Static load, C0	2,810 kN
Fatigue limit load, Cu	190 kN
Nref	1,200 Tr/min
Nlim	1,700 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	200 °C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.31 Hz
Characteristic outer ring frequency, BPF0	6.57 Hz
Characteristic inner ring frequency, BPFI	9.43 Hz

Abutment dimensions

da min	197 mm
da max	3 mm
Da max	363 mm
ra max	3 mm

Calculation factors

Equivalent dynamic radial load

$P = X.Fr + Y.Fa$

$Fa / Fr \leq e$		$Fa / Fr > e$	
X	Y	X	Y
1	Y1	0.67	Y2

Equivalent static radial load

$Po = Xo.Fr + Yo.Fa$

X_0	Y_0
1	Y0

The values for e, Y1, Y2 and Y0 are shown in the above table .